Missouri Botanical Garden
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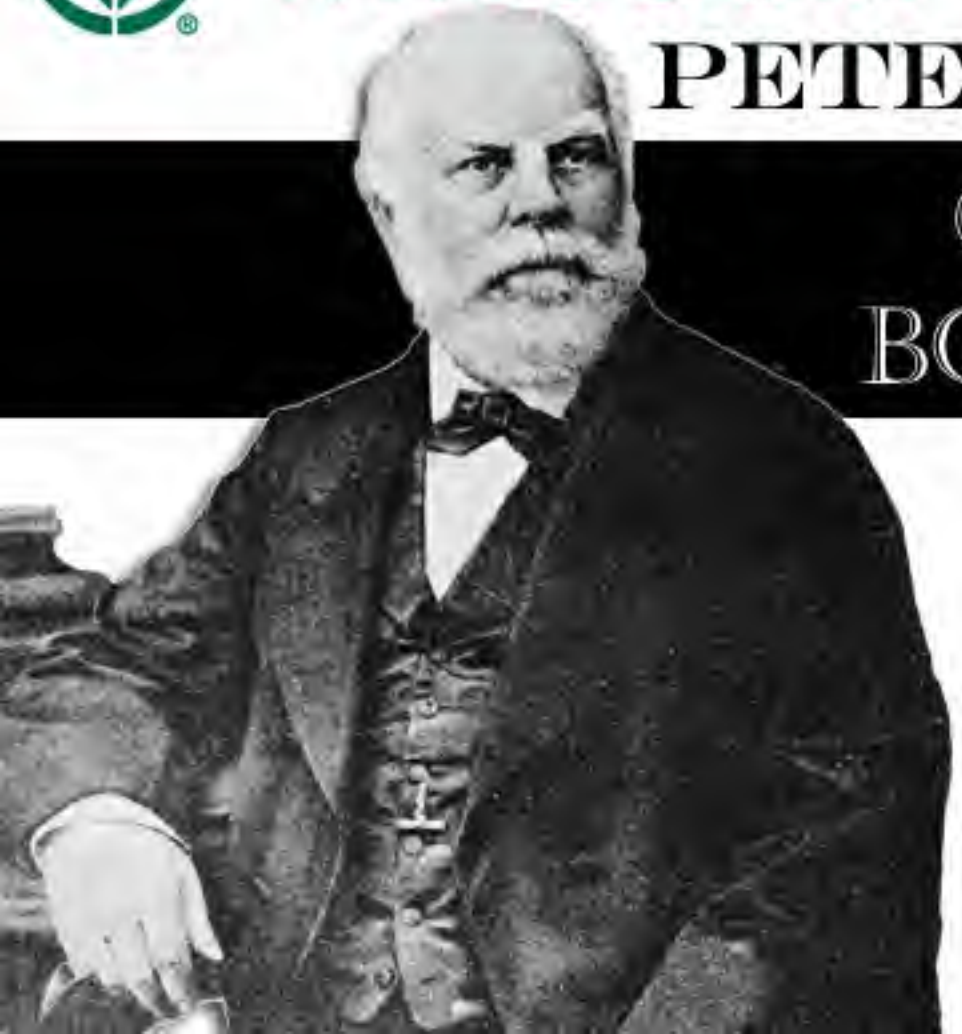
George Engelmann Botanical Notebooks



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1912

Cereus coerulescens Salm.

(Pl. 24.)

Ce beau Cierge a été introduit dans les serres de l'Europe depuis longtems, mais les fleurs n'en ont été observées que râvement.

La tige parvient à une hauteur assez considérable, mais son plus grand diamètre ne surpasse guère 2—3 pouces. Sa couleur est d'un beau bleu verdâtre; elle a 8 côtes obtuses, presque droites. Les aréoles sont assez grandes, de forme ovalaire, munies d'un duvet noire et d'une laine courte, grisâtre. Les aiguillons sont disposés en 2 rangs; au centre il y en a 3—4, roides, droits, presque pollicaires, noirs, les autres (au nombre d'environ 12) sont rayonnans, plus courts et plus minces, les supérieurs et les inférieurs noirs, les latéraux en général grisâtres ou blanchâtres, seulement noirs à leur base et à leur sommet.

Les fleurs, qui paraissent en été, sont de différente grandeur. Quelquefois elles ont les dimensions de celles du Cereus grandiflorus, celle que j'ai eu occasion de faire dessiner, avait un diamêtre beaucoup moins considérable et ressemblait plutôt à celles de l'Echinopsis campylacantha. L'ovaire est presque globuleux, lisse, muni de très petites écailles. Sa couleur, ainsi que celle du tube, est d'un vert foncé grisâtre. Le tube est formé de feuilles périgoniales s'allongissant insensiblement vers la corolle. Ces feuilles sont de forme lancéolée, rougeâtres au bord de leur partie libre; elles vont en pâlissant jusqu'aux pétales, pour nommer ainsi les deux séries intimes du périgone, qui se distinguent des extérieures par leur substance mince et par de petites dents. Elles sont blanches, de forme lancéolée, pointues. — Les étamines nombreuses sont blanchâtres et portent des anthères jaunes. Le style, qui les surpasse à peine, est verdâtre et se divise en 8—10 stigmates linéaires.

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Cereus coerulescens.

(Taf. XXIV.)

Cereus coerulescens Salm hort. Dyck. 1834. p. 335.
— — — — Pfr. enum. p. 85. Nr. 41.
— — — — Pfr. Synon. S. 88. Nr. 34.
— — — — Lemaire Cact. gen. 1839. p. 80.
— — — — Botan. Mag. t. 3922.
— — — — Salm Cact. hort. Dyck. 1844 cultae p. 28.
— — — — Walpers Report. II. p. 328.
— — — — Förster Handb. d. Cact. p. 381.
— — Aethiopis Haworth in Phil. Mag. 1830. p. 109?

C. erectus attenuatus coerulescens 8-angularis; costis obtusis, vix repandis; sinubus latis, mox planis; areolis magnis, ovalibus, tomento nigro lanaque brevi grisea instructis; aculeis centralibus 3—4 nigris, rigidis, exterioribus 12 subradiantibus, gracilioribus, supremis et infimis nigris, lateralibus plerumque albidis, basi et apice nigris.

Habitat in Brasilia.

Der Stamm dieses schönen Cereus erreicht bei einer Stärke von nicht viel mehr als 2″ eine ansehnliche Höhe und zeichnet sich vor allen verwandten durch seine schöne dunkelgrüne, blau überlaufene Farbe und seine schwarzen Stachelbündel aus, welche auf den 8 stumpfen Kanten gleichweit entfernt stehen und ausser den äussern, feineren (etwa 12) 3—4 steife längere Mittelstacheln zeigen.

Die Blumen erscheinen bei uns nur selten; die grössten und kräftigsten sind fast wie die des C. grandiflorus, die abgebildete war viel kleiner. Ihr rundlicher Fruchtknoten, so wie die aus allmälig länger werdenden Schuppen zusammengewachsene Blumenröhre sind fast glatt, dunkelgraugrün; die äussersten Röhrenschuppen etwas röthlich an der Spitze. Die eigentliche Blumenkrone besteht aus 2 Reihen sehr zarter, weisser (aussen grünlich angeflogener) feingesägter, zugespitzter Blumenblätter. Die zahlreichen weisslichen Staubfäden tragen gelbe Antheren, und der hellgrüne Griffel theilt sich in 8—10 linienförmige Narben.

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12 feet high, 4-6 inches diam. Stem distinctly
articulate — Brazil, to Curaçao —
simple - or very sparingly branched

Calyx Tube 5 inches long, limb dimct
green smooth glabrous with few distant appress
triangular scales; lobes [of calyx] about 10
linear oblong subacute; petals very numerous
in about 3 series [nothing but or right/long corona]
stigmas club shaped subulate erect.
stamens & figure inside of Corona P. D. H.

over

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Ill. Gamble.

(Kew Sept 1869) Jun

Cereus Gisiba Otto. Abt Mag. 5775 1869

ovary / ovo

sulcatus, ramis articulatis 4-6. cost
costis compressis 1-2 poll. profundis
obtusis tuberculis, areolis
remotis lanitis depressis
subglaucescentibus in aculeis 6-10
rectis rigidis 1/4-1/2 poll longis
luteis - F. 10 poll. diam. alb.; calycis
tubo glabro, sepalis ovatis 30-40 stig 18

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Cereus glaucus, Hort Kew Sept 1869

is very near C. Jamacaru & Cisby — perhaps identical with them.

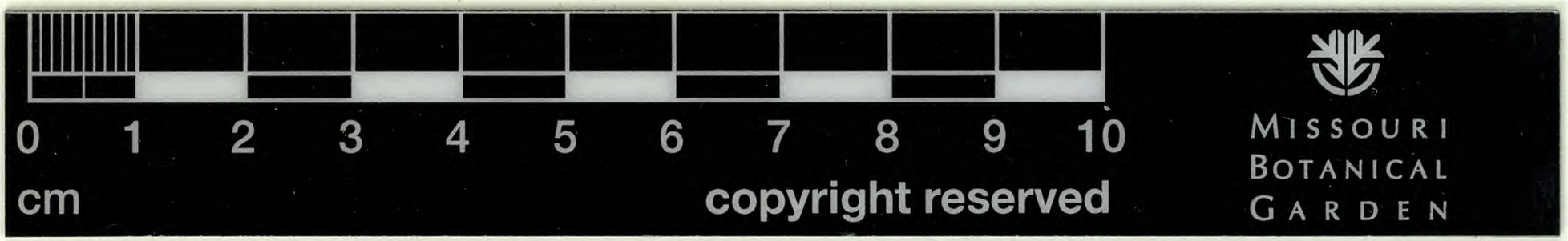
1913

Figure in Coll Kew shows a very large flower, with perhaps 10 or 12 very small scales on somewhat tuberculate Ovarium.

Succulent House, Kew Sept 12, 1870

Cereus glaucus, Salm, Mexico, large, 10–12 cent diam 4–5 m. high, erect, few branches, 6 angled, almost winged when young, angles straight, areolae large, 4–5 cent. apart —

1914



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Cer. caerulescens · Bot Mag. 68 (1842) 3922

fl. 20-22 c Cy 18 c wide

Jun (5?) minute scales on ovary — fun on tube — fl. white stig fil. from 14 (?) corona of stam.

1915

Kew Sept 1869

Cer. caerulescens · Bot Mag. 3922

arcolae close, only 1-1½ c apart, 8-10 short black spines around.

flower abt 20 c long & wide greenish & purplish outside, white petals, with purplish tips — ovary with very few minute scales, tube same — apparently very similar to Cer. Jun — petals spatulate ant, double stamens one-sided, corona ? 14 stigmata.

1916

tube of flower

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Hort Kew Sept 1869

Cereus coerulescens 5 feet high. 8 angled, angles rounded, straight, but large areolæ somewhat elevated; grooves at first sharp but not deep – afterwards shallow

areolæ 2–3 cent apart;

spines numerous, black or dark, stellate 2–3 cent long.

1917

Cereus pterogonus, 1 foot high. 3 rarely 4 winged plant yet young, apparently allied to C. triangularis.

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1918

Cereus Civicus Haff

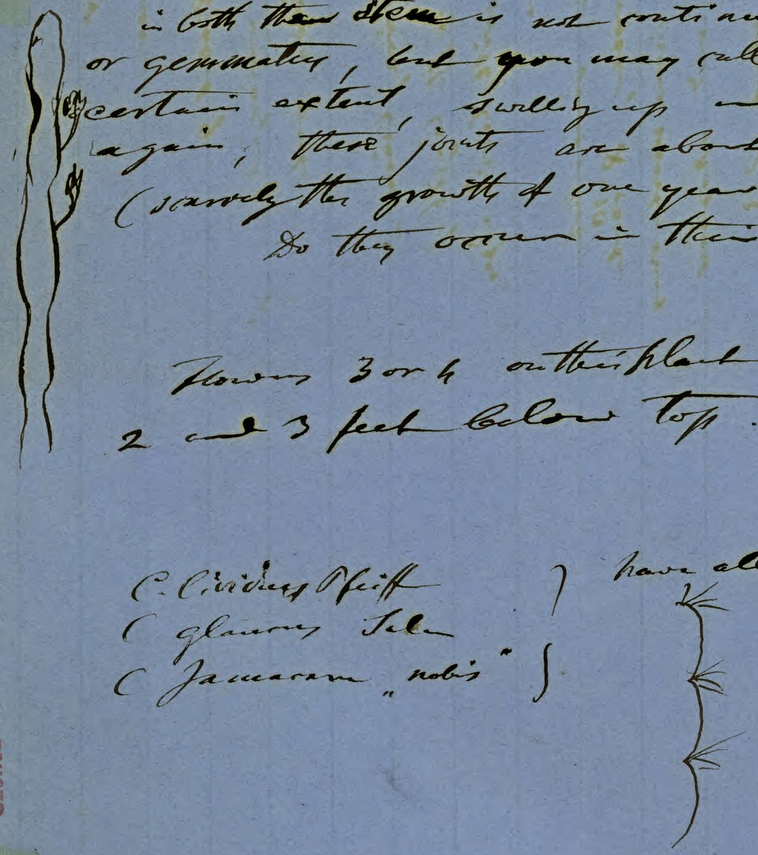
Kew Sept 7 1869

Cereus Civicus 3 metres or more high, (similar to C. Jamacaru but this is shewing very glaucous)
in both these stem is not continuous as in C. Peruvianus or geometrizans, but you may call it jointed to a certain extent, swelling up & then contracting again; these joints are about ½ - ¾ metre long (scarcely the growth of one year?)
Do they occur in their native homes likewise?

Flowers 3 or 4 on the flank for the last 3 weeks 2 and 3 feet below top.

? no good term

C. Civicus Haff } have all immersed areoles
C. glaucus Tala } while others have them
C. Jamacaru "nobis" } on prominent lobes



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Cereus lividus

Kew Kew Sept 7. 1869

28 cent long

20

13

80

somewool at base of flower

ovary with 10 transverse
mucronate scales

lower half of tube with abt 9
similar, gradually enlarged
scales, adnate low down, but
free only at Tip

upper scales, more free, linear-
oblong, gradually of the length of
petals - green - with livid edge,
12-13 in number

petals linear oblong, somewhat
cuneate, obtuse, erose, 8-10 cent
long, 2/2 wide - inner most one
a little narrower and shorter -
number of petals about 23

stigmata yellow, 13-15, 2/2 cent long
suberect, subulate. - longer than stamens

Night flowering - very fragrant.

Dimensions: ovary	40	269	Corol stamens 7 cent long
nectarial cavity	36		
staminate part of tube	80		
naked space to corona	13		
petals	100	or 27 cent-	

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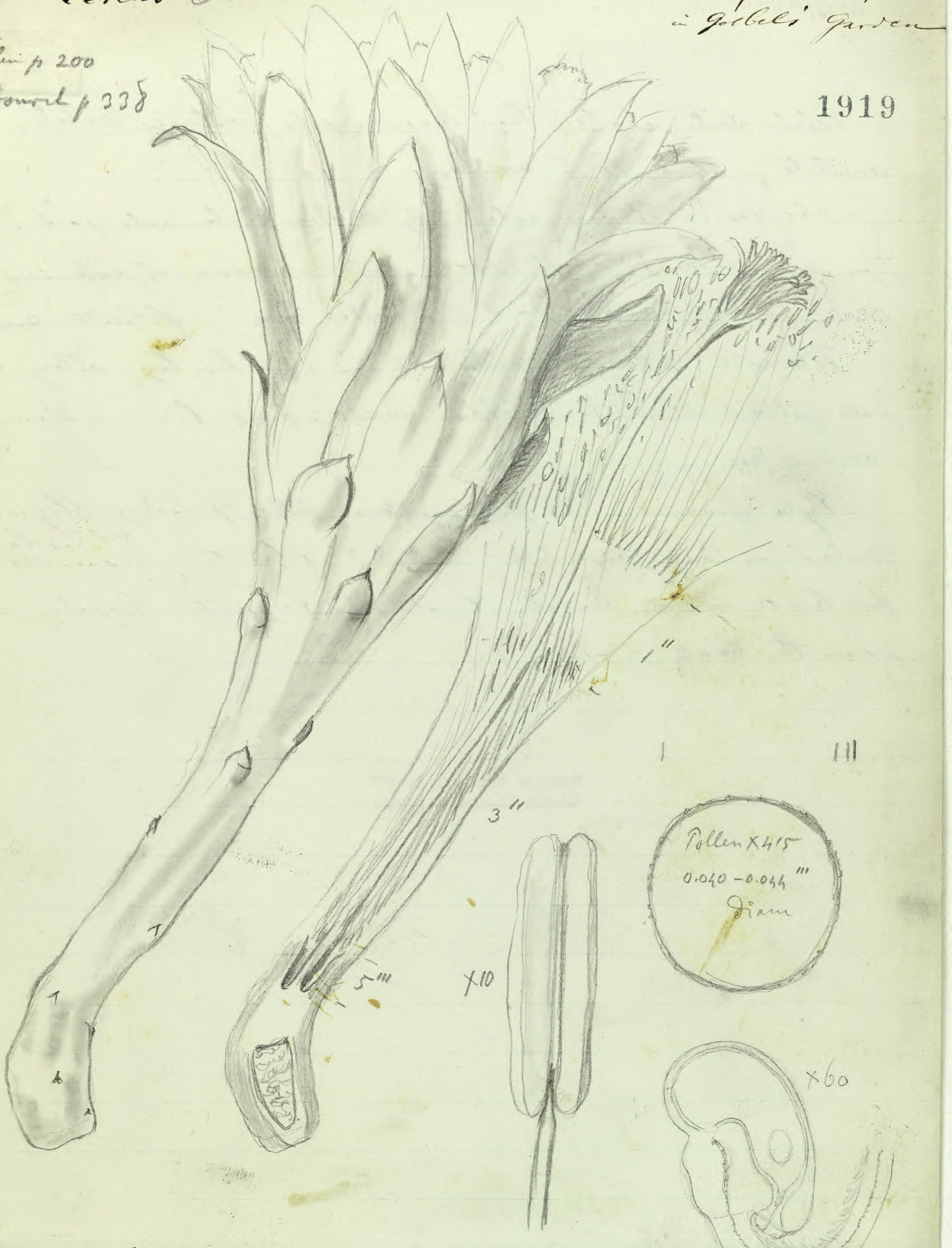
Cereus Seidelii Lehm

July 22 1864
in Gerbers' Garden

Salm p 200
Labouret p 338

1919



Oblique
Flowers open at night – 9½ inches long, externally glaucous – with purple ~~reddish~~ green
Ovary oval 1–1¼ inch long, smooth, with 5 petaly white
minute scaly sepals, each with a black nectar
Tube proper about 4" long, with 10 ~~spots~~ – ovate,
cuspidate sepals; inner sepals 25–28 linear oblong acute,
all in 7/11 arrangement

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Petals white, shorter than inner sepals, obtuse dentate, aristate, about 18 in number

Tube inside at base naked only 5 lines; staminate part 3 inches, then one inch of naked space, and a corona of exterior stamens, these are (their free part) 3 inches long; ~~filaments greenish~~ filament greenish, anthers $2\frac{1}{2} - 2\frac{3}{4}$ lines long, oblong linear, pale yellow — Pollen globose, 0.040 – 0.044 lines in diameter verrucose —

Style greenish, 4 pale yellow rather spreading stigmats. Ovules on long beaded filaments, 8 lines long, usually from 6 – 10 in one bunch together, filaments, beaded only near the base.

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